In the claims:

1.(Currently Amended) An internal combustion engine comprising:

a body;

a shaft rotatably mounted within said body;

a cylinder attached to said shaft

a pair of pistons within said cylinder ~~body, said pair of pistons attached to and extending from said shaft~~;

an intake port in said cylinder,

each piston having a piston face, each piston face having an edge,

~~and~~

~~a combustion chamber formed in said shaft;~~ and

at least one ~~said~~ piston face ~~faces~~ having a depression to create a vortex, said depression formed along the edge of the piston face near said intake port.

2.(Currently Amended) The internal combustion engine of claim 1, wherein

said body has a centerline; and

said shaft extending along said body centerline.

3.(Currently Amended) The internal combustion engine of claim 1, further comprising:

a combustion chamber formed in said shaft ~~pair of cylinders~~;

~~said pair of pistons reciprocating within said cylinder pair of cylinders~~; and

a secondary combustion chamber formed between said pistons ~~pair of cylinders~~.

4.(Previously presented) The internal combustion engine of claim 1, further comprising:

an ellipsoid guide in said body; and

said pair of pistons retained in said ellipsoid guide.

5.(Currently Amended) An internal combustion engine comprising:

a body, said body having an inner surface and an outer surface;

a shaft rotatably mounted in said body;

an intake port and an exhaust port formed in said body;

a combustion chamber formed in said shaft, said combustion chamber having a bottom wall, a left edge and a right edge; and

a bridge extending upwardly from said combustion bottom wall ~~to~~ toward said body inner surface.

6. Cancelled

7.(Original) The internal combustion engine of claim 5, further comprising:

a sleeve positioned between said shaft and said body.

8. (Original) The internal combustion engine of claim 7 further comprising:

an O-ring between said sleeve and said shaft.

9.(Currently Amended) An internal combustion engine comprising:

a body having an axis;

a shaft rotatably mounted within said body;

a pair of pistons within said body, ~~said pair of pistons attached to and extending from said shaft;~~

a cylinder ~~pair of cylinders~~;

said pair of pistons reciprocating within said cylinder ~~pair of cylinders~~;

at least one ~~a~~ pin extending from said shaft ~~each said cylinder~~;

a bracket extending radially outwardly from one of said pistons ~~each piston~~ and engaging said pin,

a compression spring surrounding said at least one pin and bearing against said bracket~~; and~~

~~a combustion chamber formed in said shaft~~.

10. (Previously presented) The internal combustion engine of claim 9, wherein

said body has a centerline; and

said shaft extending along said body centerline.

11. (Currently Amended) The internal combustion engine of claim 9, further comprising:

a secondary combustion chamber formed between said pistons ~~pair of cylinders~~.

12. (Previously presented) The internal combustion engine of claim 9, further comprising:

an ellipsoid guide in said body; and

said pair of pistons retained in said ellipsoid guide.

13. (Previously presented) The internal combustion engine of claim 1, further comprising:

a baffle on the piston face to direct exhaust gases to an exhaust outlet.

14.(New) An internal combustion engine comprising:

a body;

a shaft rotatably mounted within said body;

a pair of pistons within said body, said pair of pistons attached to and extending from said shaft;

an intake port to allow fuel into said combustion chamber

each piston having a piston face, each piston face having an edge, and

at least one piston face having a means for creating a vortex, said means for creating a vortex formed along the edge of the piston face near said intake port.

15.(New) The internal combustion engine of claim 14, wherein said means for creating a vortex is a depression.

16.(New) The internal combustion engine of claim 14, wherein said means for creating a vortex is a ramp.